

SAFETY DATA SHEET

Version 01

Section 1- Product Information

Product Name : Epidermal Growth Factor (EGF), Human

Product Cat. No.: Z00333-1; Z00333-10; Z00333-50;

Section 2- Composition / Information on Ingredients

Substance / Preparation: Substance

Ingredient Name	Epidermal Growth Factor (EGF), Human
CAS No.	No
SARA 313	No

Section 3- Hazards Identification

HMIS Rating

Health	0
Flammability	0
Reactivity	0

NFPA Rating

Health	0
Flammability	0
Reactivity	0

For additional information on toxicity, please refer to Section 11.

Section 4- First Aid Measures

Oral Exposure If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation Exposure If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Dermal Exposure In case of skin contact, flush with copious amounts of water for at least 15 minutes.

Remove contaminated clothing and shoes. Call a physician.

Eye Exposure In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5- Fire Fighting Measures

Flash Point Not available

Autoignition Temp Not available

Flammability Not available

Extinguishing Media

Suitable Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Fire Fighting

Protective Equipment Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Emits toxic fumes under fire conditions

Specific Hazard(s)

Section 6- Accidental Release Measures

Procedure to Be Followed in Case of

Leak or Spill

Evacuate area

Procedure(s) of Personal Precaution(s)

Methods for Cleaning Up

Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust.

Ventilate area and wash spill site after material pickup is complete.

Section 7- Handling and Storage

Handling

User Exposure

Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage

Lyophilized recombinant Human Epidermal Growth Factor (rhEGF) remains stable up to 12months at lower than -70°C from date of receipt. Upon reconstitution, rhEGF should be stable up to 4 weeks at 4°C or up to 6 months at -20°C

Section 8- Exposure Controls/Personal Protection Equipment

Engineering Controls Mechanical exhaust required

Personal Protective Equipment

Respiratory

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) respirator.

Other

Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.
Wash thoroughly after handling

General Hygiene Measures

Section 9- Physical and Chemical Properties

Appearance

Physical State Lyophilized powder

Property

Molecular Weight	~6.0 kDa
pH	Not available
BP/BP Range	Not available
MP/MP Range	Not available
Freezing Point	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Saturated Vapor Conc.	Not available

SG/Density	Not available
Bulk Density	Not available
Odor Threshold	Not available
Volatile%	Not available
VOC Content	Not available
Water Content	Not available
Solvent Content	Not available
Evaporation Rate	Not available
Viscosity	Not available
Surface Tension	Not available
Partition Coefficient	Not available
Decomposition Temp.	Not available
Flash Point	Not available
Explosion Limits	Not available
Flammability	Not available
Autoignition Temp	Not available
Refractive Index	Not available
Optical Rotation	Not available
Miscellaneous Data	Not available
Solubility	Not available

Section 10- Stability and Reactivity

Stability

Stable	Stable
Hazardous Decomposition Products	
Hazardous Decomposition Products	Nature of decomposition products not known

Section 11- Toxicological Information

Route of Exposure

	May cause skin irritation
Skin Contact	May be harmful if absorbed through the skin
Skin Absorption	Material may be irritating to mucous membranes and upper respiratory tract, May be harmful if inhaled.
Inhalation	May be harmful if swallowed
	The toxicological properties have not been thoroughly investigated.
Ingestion	
Conditions Aggravated by Exposure	

Section 12- Ecological Information

Eco-toxicity

Toxicity of The Products of Biodegradation	The product itself and its products of degradation are not toxic.
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Section 13- Disposal Considerations

Appropriate Method of Disposal of
Substance or Preparation

Waste must be disposed of in accordance with federal,
state and local
environmental control regulations.

Section 14- Transport Information

DOT

Proper Shipping Name

None

Non-Hazardous for Transport

This substance is considered to be non-hazardous for
transport.

IATA

Non-Hazardous for Air Transport

Non-hazardous for air transport

Section 15- Regulatory Information

United States Regulatory information

SARA Listed No

Canada Regulatory Information

This product has been classified in accordance with the hazard criteria of the
CPR, and the SDS contains all the information required by the CPR.

WHMIS Classification

No

DSL

NDSL No

Section 16- Other Information

Disclaimer For *in vitro* research use only.

GenScript Corporation SDS is believed to be correct but only used as a guide for experienced personnel, GenScript shall not be held liable for any damage resulting from the handling or from contact with the above product.